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# FACSIMILE

DATE: **July 7, 2008**

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*Please deliver this and the following pages to:*

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## Applicant Initiated Interview Request Form

Application No.: 09/838,436First Named Applicant: Isftran CseriExaminer: Melvin PollackArt Unit: 2145Status of Application: NewFinal

## Tentative Participants:

(1) Greg Plichta(2) Melvin Pollack

(3) \_\_\_\_\_

(4) \_\_\_\_\_

Proposed Date of Interview: July 8, 2008Proposed Time: 1pm EST AM/PM(10 am PST)

## Type of Interview Requested:

 Telephonic Personal Video Conference

## Exhibit To Be Shown or Demonstrated:

 YES NO

If yes, provide brief description:

## Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Rej.</u>	<u>1, 12, 16</u>	<u>Hind + Snow</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Continuation Sheet Attached

## Brief Description of Argument to be Presented:

See attached - proposed amendments

An interview was conducted on the above-identified application on \_\_\_\_\_.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

\_\_\_\_\_  
Applicant/Applicant's Representative Signature\_\_\_\_\_  
Examiner/SPE Signature\_\_\_\_\_  
Typed/Printed Name of Applicant or Representative\_\_\_\_\_  
Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (previously presented) A method for generating a data stream according to a binary format of a tag-based description language, comprising:

receiving a plurality of tag names;

receiving a plurality of attribute names;

identifying tag names from said plurality of tag names;

identifying attribute names from said plurality of attribute names;

tokenizing tag names into numeric tokens;

tokenizing attribute names into said numeric tokens;

wherein said data stream comprises of said tokenized tag names and said tokenized attribute name, and wherein said data stream further comprises binary primitive types when such primitive types were originally in binary format;

wherein said numeric tokens are configured to be variable-sized; and

wherein said numeric tokens are configured for incremental output and parsing thereby obviating a global token table at the beginning of said data stream.

2. (canceled) A method according to claim 1, further comprising:  
tokenizing attribute names into numeric tokens.
3. (canceled) A method according to claim 1, wherein said numeric tokens for tag names are variable sized.
4. (canceled) A method according to claim 2, wherein said numeric tokens for attribute names are variable sized.
5. (canceled) A method according to claim 2, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.
6. (original) A method according to claim 1, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream the first time a tag name is

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encountered for purposes of recreating the tag names by a device that receives the data stream.

7. (original) A method according to claim 1, wherein the tag-based description language is extensible markup language (XML).

8. (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases the time elapsed parsing the data stream by a device that receives the data stream, the time being decreased relative to the parsing of a corresponding text-based format of the tag-based description language.

9. (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases overhead incident to formatting data for representation according to the tag-based description language.

10. (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases the size of the resulting data file formatted according to the tag-based description language.

11. (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of claim 1.

12. (currently amended) A computer storage medium bearing computer executable instructions for carrying out the method of receiving a well-formed document in a text format of a tag-based description language and converting the document to a binary format via tokenization of the tag and attribute names into numeric tokens, comprising:

tokenizing said tag and attribute names into a set of numeric tokens;

wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into a data stream;

wherein said tokenization of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives said data stream; and

wherein the numeric tokens are in incrementally consumable form.

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13. (canceled) A computer readable medium according to claim 12, wherein said tokenization of attributes enables values natively stored as binary data types to be inserted into the data stream.

14. (original) A computer readable medium according to claim 12, wherein said tokenization of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives the data stream.

15. (original) A computer readable medium according to claim 12, said receiving includes receiving a document formatted according to a text format of XML.

16. (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of assembling data into a document according to a binary format and then parsing said document back into text format [[by]], comprising:

tokenizing the tag and attribute names into variable sized numeric tokens, wherein the numeric tokens are in incrementally consumable form;

including in said tokenizing any binary primitives and name definition constructs;  
configuring said document to be parsed at a remote location into said text format;  
wherein at said remote location said document is configured to be consumed in  
numeric token form incrementally by breaking up at least one long token of said numeric  
tokens into predetermined and manageable pieces; and

wherein said numeric tokens are configured to designate token types in their first  
series of bytes.

17. (canceled) A computer readable medium according to claim 16, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.

18. (canceled) A computer readable medium according to claim 16, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream

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the first time a tag name is encountered for purposes of recreating the tag names by a device that receives the data stream.

19. (currently amended) A computer readable medium according to claim 16, said receiving includes further comprising receiving [[a]] said document that is formatted according to a text format of XML.

20. (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of receiving a document formatted according to a binary format of a tag-based description language and directly parsing the data in the document for use by another element in a computer system ~~and outputting~~  
~~executed~~.

21. (original) A computer readable medium according to claim 20, wherein before said parsing, said method includes converting the document to a text format of the tag-based description language.

22. (original) A computer readable medium according to claim 20, wherein said receiving includes receiving a document formatted according to a binary format of XML.

23. (previously presented) A computing device, comprising:  
means for receiving a well-formed document in a text format of a tag-based description language;  
means for converting the document to a binary format via tokenization of the tag and attribute names into variable sized numeric tokens; and  
means for converting the document back to the text format without a loss of fidelity.

24. (original) A computing device according to claim 23, wherein said tokenization of attributes enables values natively stored as binary data types to be inserted into the data stream.

25. (original) A computing device according to claim 23, wherein said tokenization of tag names includes inserting a name definition construct into the data stream the first time a

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tag name is encountered for purposes of recreating the tag names by a device that receives the data stream.

26. (original) A computing device according to claim 23, said tag-based description language is XML.

27. (previously presented) In a system in which a transmitting device transmits in a streaming fashion data formatted according to a tag-based description language, a method for generating a data stream according to a binary format of the tag-based description language, comprising:

for each unique tag name, at the first time a tag name of the data is encountered, tokenizing the tag name into a numeric token and transmitting the token and the text associated with the tag name; and

at any time subsequent to the first time that the tag name of the data is encountered, transmitting the numeric token without the text.

28. (original) A method according to claim 27, further comprising:  
tokenizing attribute names into numeric tokens.

29. (canceled)

30. (original) A method according to claim 27, wherein said numeric tokens for tag names are variable sized.

31. (original) A method according to claim 28, wherein said numeric tokens for attribute names are variable sized.

32. (original) A method according to claim 28, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.

33. (original) A method according to claim 27, wherein the tag-based description language is extensible markup language (XML).

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34. (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases the time elapsed parsing the data stream by a device that receives the data stream, the time being decreased relative to the parsing of a corresponding text-based format of the tag-based description language.

35. (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases overhead incident to formatting data for representation according to the tag-based description language.

36. (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases the size of the resulting data file formatted according to the tag-based description language.

37. (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of claim 27.

38. (previously presented) A method for generating a data stream according to an XML binary format, comprising:

tokenizing tag names and attribute names into variable sized numeric tokens, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives the data stream, thereby decreasing parsing time.

39. (previously presented) The method according to claim 27, wherein said data is transmitted incrementally, and whereby a receiving device parses said data as it is incrementally received by the receiving device.